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EXAMINER

WM02/0213

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ART UNIT	PAPER NUMBER

2662  
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.  
09/479,736

Applicant(s)

Feuer

Examiner  
John Pezzlo

Group Art Unit  
2662



☒ Responsive to communication(s) filed on 27 Mar 2000

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 1-20 is/are pending in the application

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-20 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☒ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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## DETAILED ACTION

### *Drawings*

This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

### *Specification*

The disclosure is objected to because of the following informalities:

1. Page 2, lines 3 and 6, change "a-log" to --A-law--.
3. Page 2, lines 3 and 5, change "mu-log" to -- $\mu$ -law--.
2. Page 3, line 12, change "2.5" to --25-- (or 250). (Most talkers will not complain until the delay exceeds 300 milliseconds, which is the case for double-hop satellite links.)

Appropriate correction is required.

### *Claim Objections*

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Claim 15 objected to because of the following informalities:

1. Examiner believes voice signals from the PSTN are converted for use on the IP network.

Examiner assumes "IP network" and "PSTN" should be swapped.

Appropriate correction is required.

*Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

- I. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by White et al. (US 6,069,890) hereinafter White.

White discloses an Internet telephone service.

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Detail claim analysis:

1. With respect to claim 1 - *A system for providing real-time voice communication between devices connected to an Internet Protocol (IP) network and devices connected to a public switched telephone network (PSTN), comprising:*

*a computer controlled switch adapted for connection to a local public switched telephone network; and*

White discloses a computer controlled switch adapted for connection to a local public switched telephone network, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

*gate interface circuitry connected to the computer controlled switch and adapted for connection to the IP network.*

White discloses gate interface circuitry connected to the computer controlled switch and adapted for connection to the IP network, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

2. With respect to claim 2 - *The system of Claim 1 wherein said gate interface circuitry includes gateway circuitry for interfacing between the IP network and the voice circuits of the PSTN, and gatekeeper circuitry for performing address translation, admission control, bandwidth management and zone management between the IP network and the PSTN.*

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White discloses gate interface circuitry includes gateway circuitry for interfacing between the IP network and the voice circuits of the PSTN, and gatekeeper circuitry for performing address translation, admission control, bandwidth management and zone management between the IP network and the PSTN, refer to Figures 2-9 and column 5-9.

3. With respect to claim 3 - *The system of Claim 2, further comprising:*

*a voice response unit connected between the gate interface circuitry and the switch for receiving voice signals and converting them to digital tones for the switch.*

White discloses a voice response unit connected between the gate interface circuitry and the switch for receiving voice signals and converting them to digital tones for the switch, refer to Figures 6 and 7 and column 10 lines 52 to 66.

4. With respect to claim 4 - *The system of Claim 3, further comprising a message system connected to the IP network and the switch.*

White discloses a message system connected to the IP network and the switch, refer to Figures 7-10 and columns 11-13.

5. With respect to claim 5 - *The system of Claim 4 wherein said message system receives voice messages and converts them to e-mail messages.*

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White discloses message system receives voice messages and converts them to e-mail messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

6. With respect to claim 6 - *The system of Claim 5 wherein said message system receives facsimile messages and converts them to e-mail messages.*

White discloses message system receives facsimile messages and converts them to e-mail messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

7. With respect to claim 7 - *The system of Claim 6 wherein said message system receives e-mail messages and converts them to voice messages.*

White discloses message system receives e-mail messages and converts them to voice messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

8. With respect to claim 8 - *The system of Claim 7 wherein the devices connected to the IP network are computers or telephones with a gateway circuitry interface.*

White discloses the devices connected to the IP network are computers or telephones with a gateway circuitry interface, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

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9. With respect to claim 9 - *The system of Claim 8 wherein the computers connected to the IP network include multi-media software for packetizing voice signals into a digital format for transmission over the IP network.*

White discloses the computers connected to the IP network include multi-media software for packetizing voice signals into a digital format for transmission over the IP network, refer to Figures 2-7 and column 7 lines 12 to 39.

10. With respect to claim 10 - *The system of Claim 1 wherein said computer controlled switch receives incoming calls from the IP network or the PSTN and routes the incoming calls to the PSTN or IP network.*

White discloses computer controlled switch receives incoming calls from the IP network or the PSTN and routes the incoming calls to the PSTN or IP network, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

11. With respect to claim 11 - *The system of Claim 10 wherein said computer controlled switch receives an incoming call from the IP network or the PSTN and simultaneously routes the call to a plurality of pre-designated destinations which may be on the IP network, on the PSTN, or on both the IP network and the PSTN.*

White discloses computer controlled switch receives an incoming call from the IP network or the PSTN and simultaneously routes the call to a plurality of



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pre-designated destinations which may be on the IP network, on the PSTN, or on both the IP network and the PSTN, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

12. With respect to claim 12 - *The system of Claim 11 wherein said computer controlled switch performs caller identification functions after routing the incoming call.*

White discloses computer controlled switch performs caller identification functions after routing the incoming call, refer to Figures 8-10 and columns 15-17.

13. With respect to claim 13 - *The system of Claim 1 wherein said computer controlled switch performs Class 5 switching of incoming calls.*

White discloses computer controlled switch performs Class 5 switching of incoming calls, refer to Figures 8-10 and columns 11-14.

14. With respect to claim 14 - *A method of providing real-time voice communication between devices connected to an Internet Protocol (IP) network and devices connected to the public switched telephone network (PSTN), the steps of the method comprising:*

*interfacing the digital data signals of the IP network with the voice signals of the PSTN;*

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White discloses interfacing the digital data signals of the IP network with the voice signals of the PSTN, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

*interfacing the control signals of the IP network with the PSTN to perform address translation, admission control, bandwidth management and zone management; and*

White discloses interfacing the control signals of the IP network with the PSTN to perform address translation, admission control, bandwidth management and zone management, refer to Figures 2-9 and column 5-9.

*routing calls between the devices connected to the IP network and devices connected to the PSTN.*

White discloses routing calls between the devices connected to the IP network and devices connected to the PSTN, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

15. With respect to claim 15 - *The method of Claim 14, further comprising receiving voice signals from the PSTN and converting them to signals for use by the IP network.*

White discloses receiving voice signals from the PSTN and converting them to signals for use by the IP network, refer to Figures 2-7 and column 7 lines 12 to 39.

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16. With respect to claim 16 - *The method of Claim 14, further comprising receiving voice messages and converting them to e-mail messages.*

White discloses receiving voice messages and converting them to e-mail messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

17. With respect to claim 17 - *The method of Claim 14, further comprising receiving facsimile messages and converting them to e-mail messages.*

White discloses receiving facsimile messages and converting them to e-mail messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

18. With respect to claim 18 - *The method of Claim 14, further comprising receiving e-mail messages and converting them to voice messages.*

White discloses receiving e-mail messages and converting them to voice messages, refer to Figures 6-9 and columns 11 and 12 and 16-19.

19. With respect to claim 19 - *The method of Claim 14, further comprising receiving an incoming call from the IP network or the PSTN network and simultaneously routing the call to a plurality of predesignated destinations which may be on the IP network, on the PSTN network, or on both the IP network and the PSTN network.*

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White discloses receiving an incoming call from the IP network or the PSTN network and simultaneously routing the call to a plurality of predesignated destinations which may be on the IP network, on the PSTN network, or on both the IP network and the PSTN network, refer to Figures 2, 3, 7, and 9 and columns 5 and 6 and column 7 lines 1 to 44 and columns 12-14.

20. With respect to claim 20 - *The method of Claim 19, further comprising performing caller identification functions after routing the incoming call.*

White discloses performing caller identification functions after routing the incoming call, refer to Figures 8-10 and columns 15-17.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Wong (US 6,185,288 B1) discloses a multimedia call signaling system and method.
2. Elliott (US 5,867,495) discloses a system, method and article of manufacture for communications utilizing calling, plans in a hybrid network.
3. Pepe (US 5,742,905) discloses a personal communications internetworking.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (703) 306-5420. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (703) 305-4744. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-6743.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Any response to this action should be mailed to:

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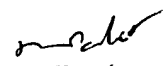
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John Pezzlo

9 February 2001



Ajit Patel  
Primary Examiner